

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050719

Luminaire Tested: 24PTR-30-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PL1-L840-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

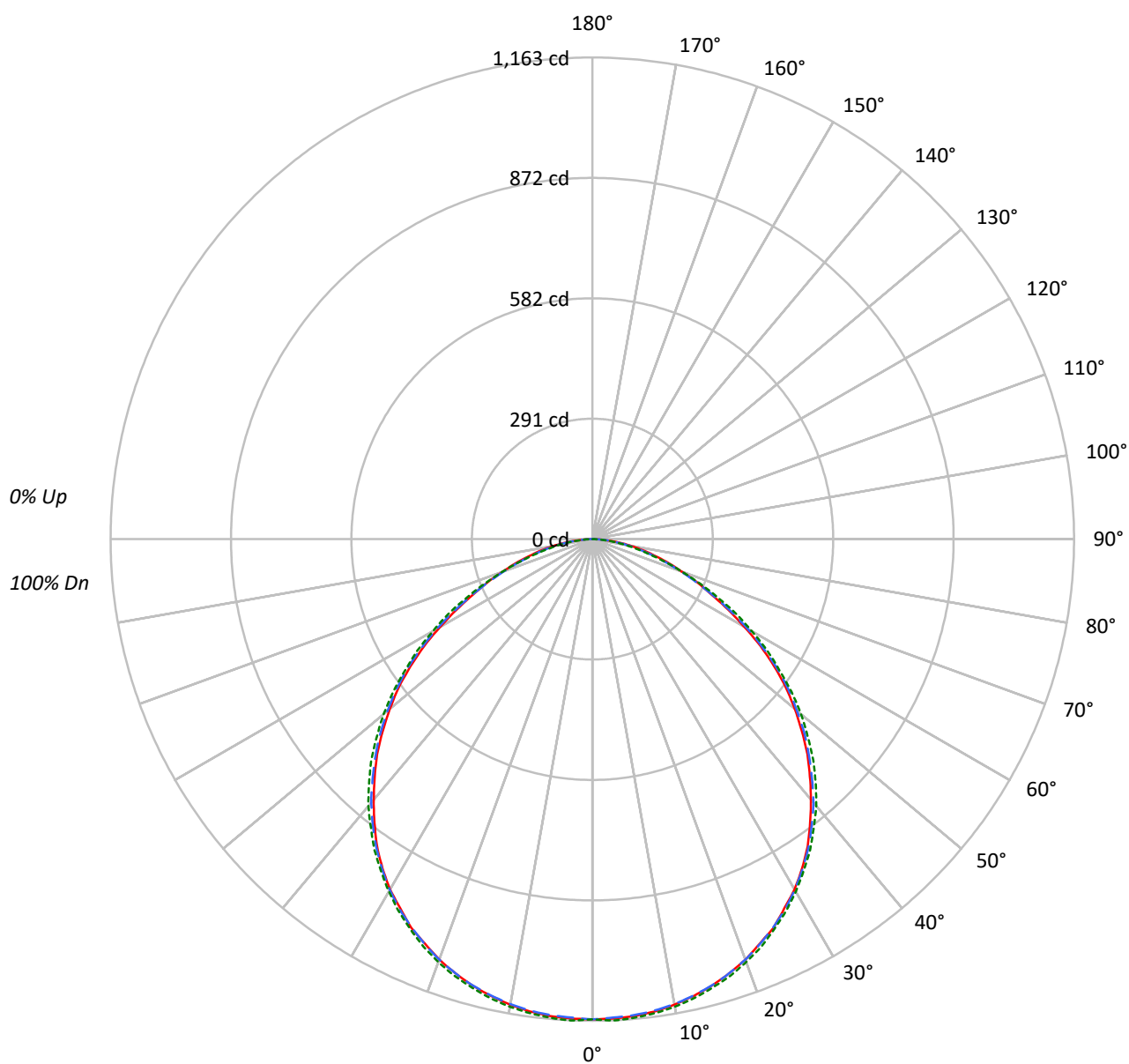
Lumens per Lamp: N/A
Luminaire Lumens: 3056.5 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1560	1560	1560
5°	1561	1558	1567
10°	1559	1558	1567
15°	1555	1554	1562
20°	1547	1547	1556
25°	1537	1534	1543
30°	1517	1519	1526
35°	1488	1494	1506
40°	1442	1459	1477
45°	1397	1408	1435
50°	1335	1350	1377
55°	1258	1278	1293
60°	1141	1165	1194
65°	1013	1024	1066
70°	906	887	910
75°	817	770	755
80°	742	690	612
85°	628	571	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1435 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.6
10°-20°	315.5	10.3
20°-30°	477.2	15.6
30°-40°	568.8	18.6
40°-50°	571.9	18.7
50°-60°	485.4	15.9
60°-70°	323.2	10.6
70°-80°	161.4	5.3
80°-90°	43.2	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	902.6	29.5
0°-40°	1471.4	48.1
0°-60°	2528.7	82.7
0°-90°	3056.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3056.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1156	1156	1154	1159	1160	110
15°	1116	1117	1116	1120	1121	315
25°	1035	1035	1034	1038	1039	476
35°	906	907	910	916	917	565
45°	734	735	740	750	754	565
55°	536	540	545	550	551	478
65°	318	321	322	327	335	319
75°	157	155	148	145	145	169
85°	41	40	37	35	32	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1158.6	1159.5	1156.4	1162.0	1163.4
5°	1156.1	1156.4	1153.9	1159.1	1160.3
7.5°	1150.5	1150.9	1148.3	1153.9	1154.7
10°	1141.4	1142.4	1140.2	1145.3	1146.6
12.5°	1129.9	1131.1	1128.9	1134.6	1135.5
15°	1116.1	1117.4	1115.7	1120.3	1121.3
17.5°	1099.3	1100.2	1099.3	1103.6	1106.1
20°	1080.4	1080.4	1080.4	1084.3	1086.5
22.5°	1056.8	1059.0	1058.1	1063.2	1065.4
25°	1035.0	1035.0	1033.6	1038.4	1039.2
27.5°	1004.4	1007.8	1007.5	1011.7	1012.6
30°	976.4	977.4	977.8	980.8	982.5
32.5°	942.5	943.3	944.7	948.9	949.4
35°	906.0	907.0	909.5	915.9	916.8
37.5°	863.6	868.2	870.4	877.3	878.1
40°	820.9	823.9	830.5	837.6	841.1
42.5°	777.5	781.0	784.9	794.7	797.8
45°	734.2	735.4	740.2	750.1	754.4
47.5°	686.1	690.0	694.2	702.8	705.4
50°	638.0	642.2	644.9	652.5	657.7
52.5°	589.4	593.3	596.3	601.0	606.1
55°	536.2	540.0	544.8	549.9	551.2
57.5°	482.0	486.3	489.4	494.8	500.5
60°	424.0	428.8	433.0	438.2	443.8
62.5°	370.0	372.0	376.4	384.9	393.1
65°	318.3	320.9	321.7	326.6	334.7
67.5°	275.4	275.4	271.5	273.2	282.2
70°	230.3	228.5	225.6	223.9	231.2
72.5°	193.7	191.5	185.1	182.2	186.1
75°	157.2	155.0	148.1	144.7	145.2
77.5°	126.3	122.9	117.2	111.3	110.1
80°	95.8	94.4	89.0	83.4	79.0
82.5°	67.9	64.9	61.8	58.4	54.9
85°	40.7	40.0	37.0	34.8	31.8
87.5°	16.7	16.7	15.9	15.0	14.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)